

**Benchmark Case Study - Hawaii**  
(present management system)

**Conservation Effects Worksheet**

Orchard - Coffee  
(land use and crop)

**Resource Setting:** Kealakekua, Hawaii

HUD Honuaulu very stony silty clay loam, 6 - 20% slopes.

Kainaliu Series, very stony & extremely stony silty clay loam, 12 - 20% slopes.

**Present Management System:**

No ground cover

Herbicide for weed cover

Coffee planted 8' x 8' or 10' x 10'

**Resource Problems Before Treatment:**

Sheet and rill erosion

Sedimentation

Minor gullyng

<b>ACTIONS</b> (Kinds, Amounts, Timing)	<b>EFFECTS</b> (Effects of Continuing Bench System)
Plant Fertilize Prune after harvest Herbicide for weed control	Soil loss - 11 tons/acre/year Runoff will increase Concentrated flow will for gullies Heavy use of herbicides Soil Compaction Nutrients in surface runoff Decrease in soil organic matter Sedimentation Reduce access over fields during wet season
<b>Comments:</b>	